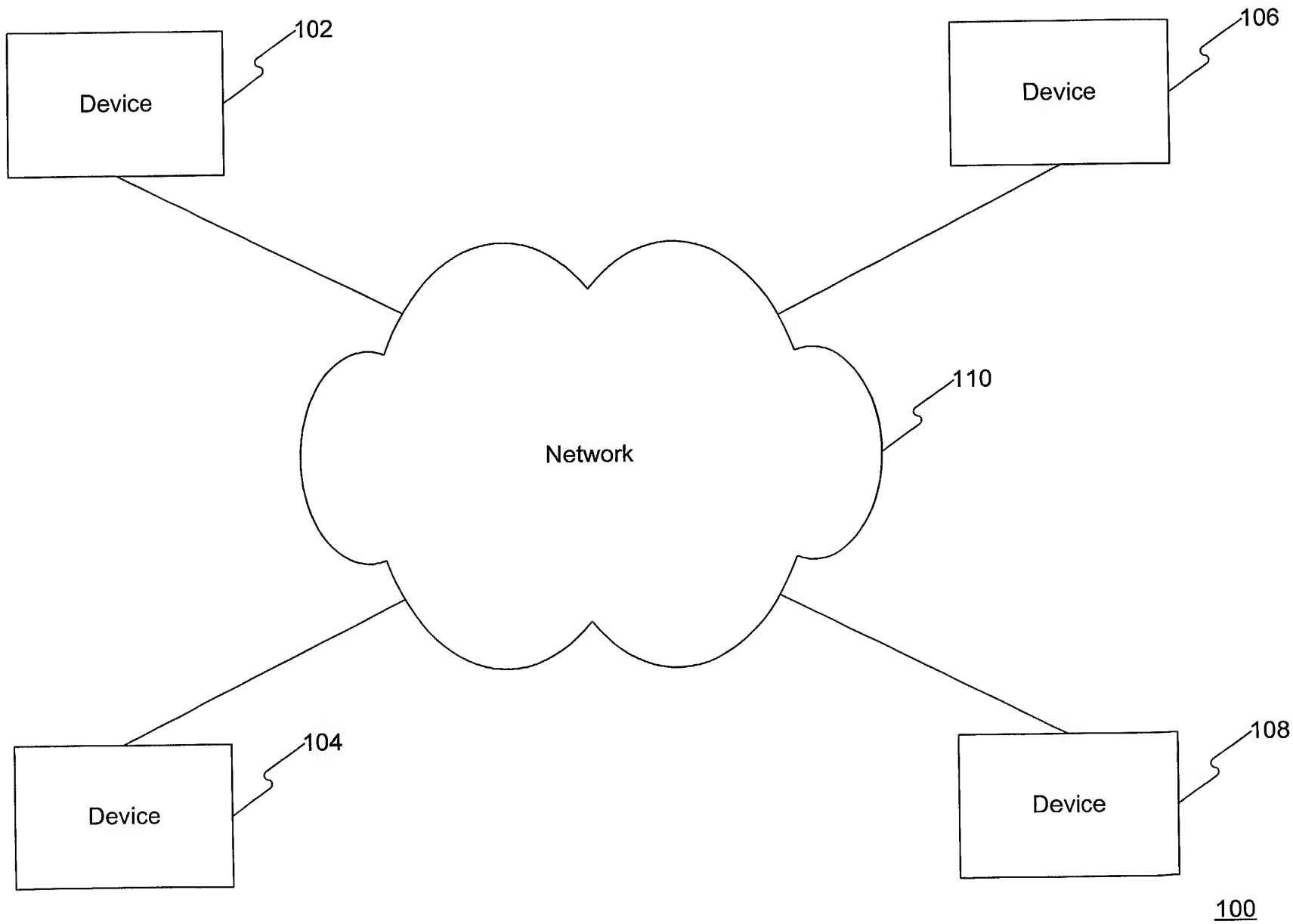

FIG. 1

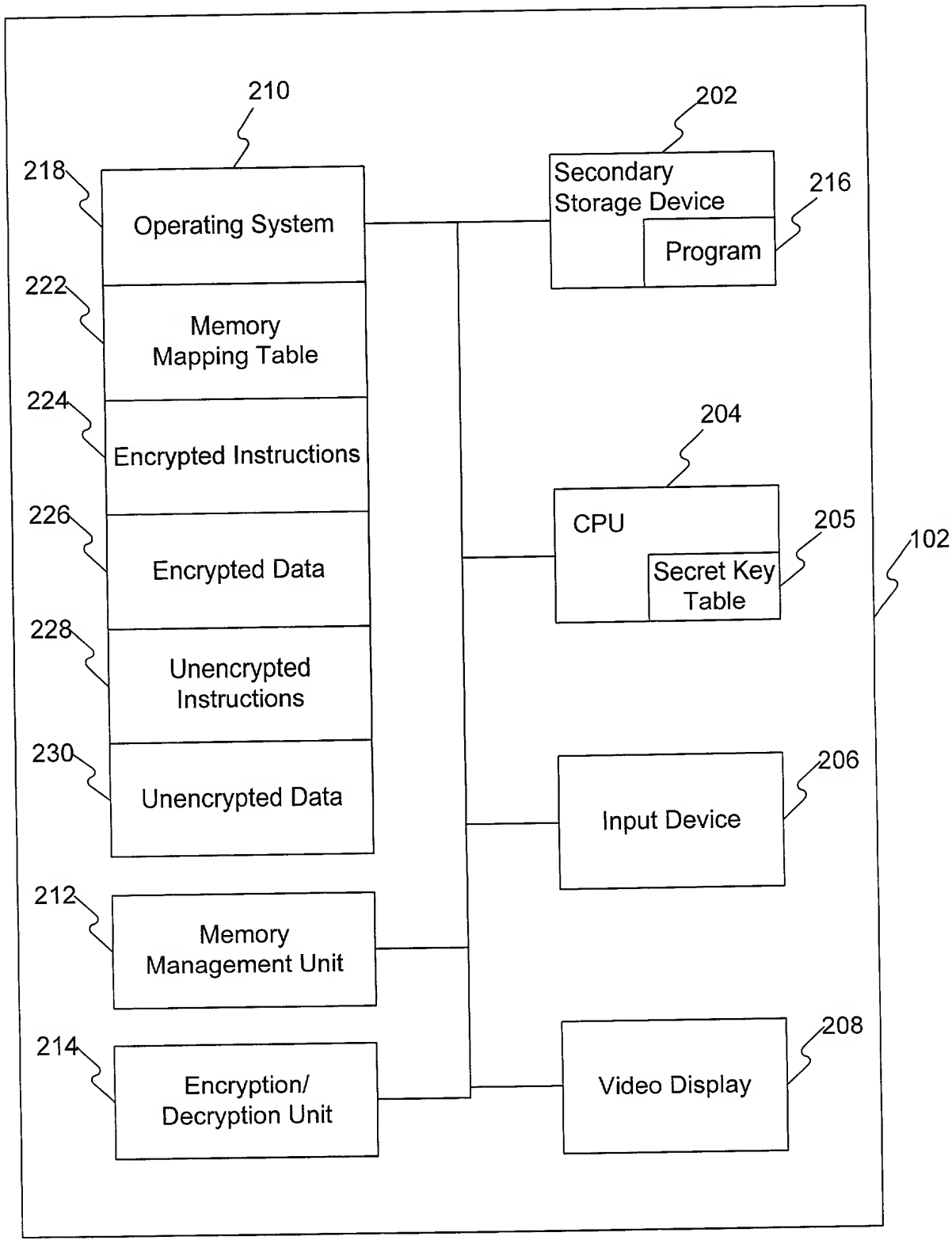
210
218
Operating System
222
Memory Mapping Table
224
Encrypted Instructions
226
Encrypted Data
228
Unencrypted Instructions
230
Unencrypted Data
212
Memory Management Unit
214
Encryption/ Decryption Unit
202
Secondary Storage Device
216
Program
204
CPU
205
Secret Key Table
102
206
Input Device
208
Video Display

FIG. 2

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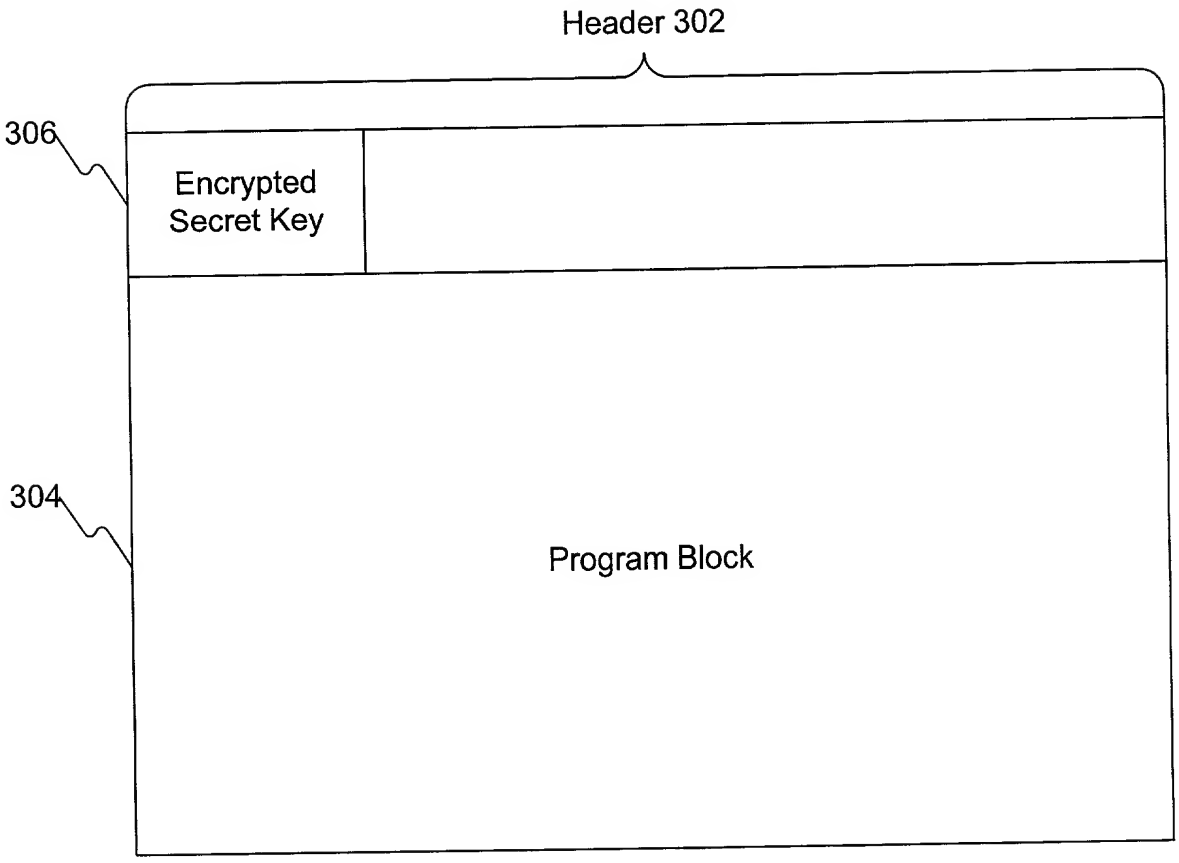
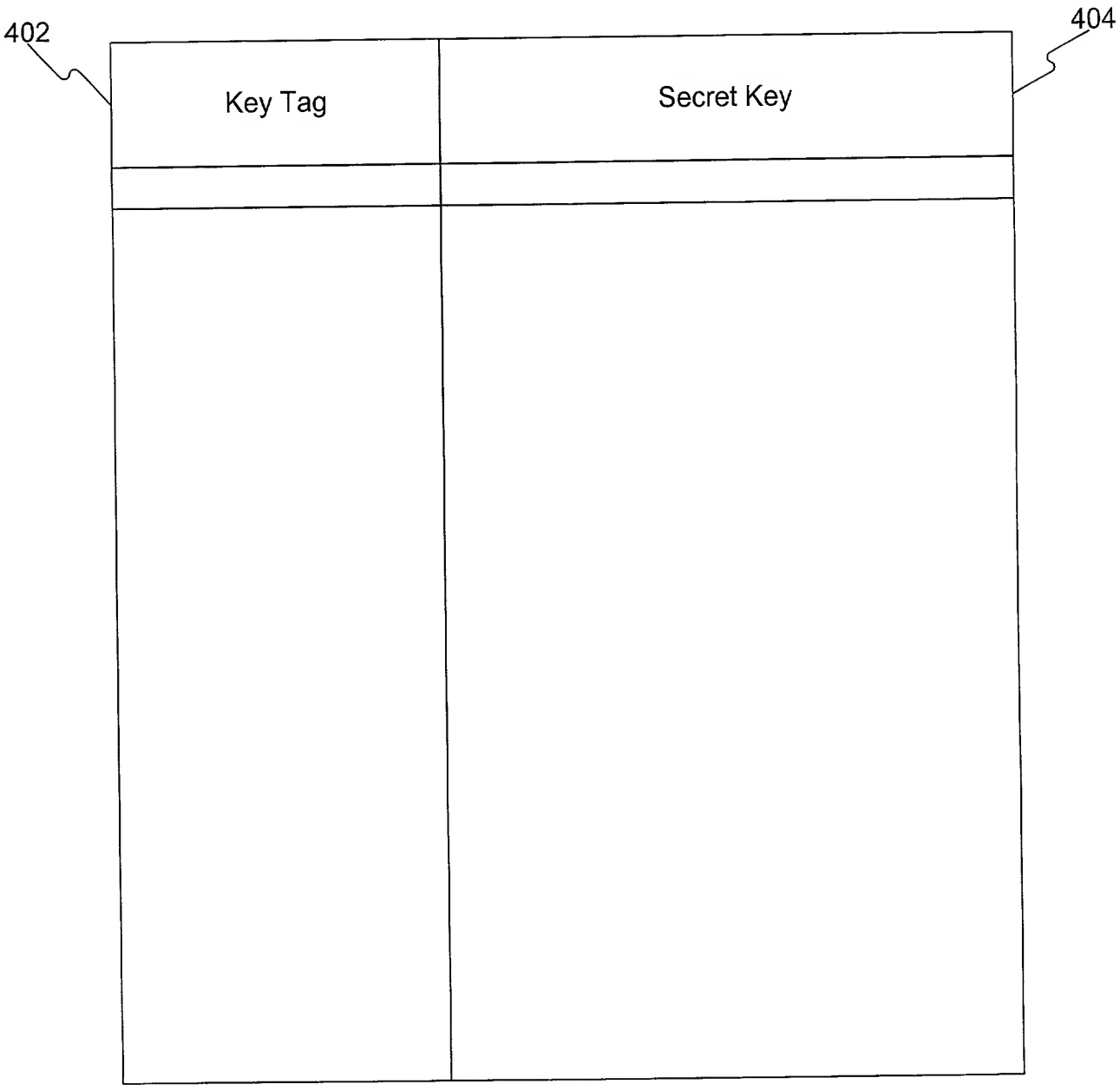


FIG. 3



205

FIG. 4

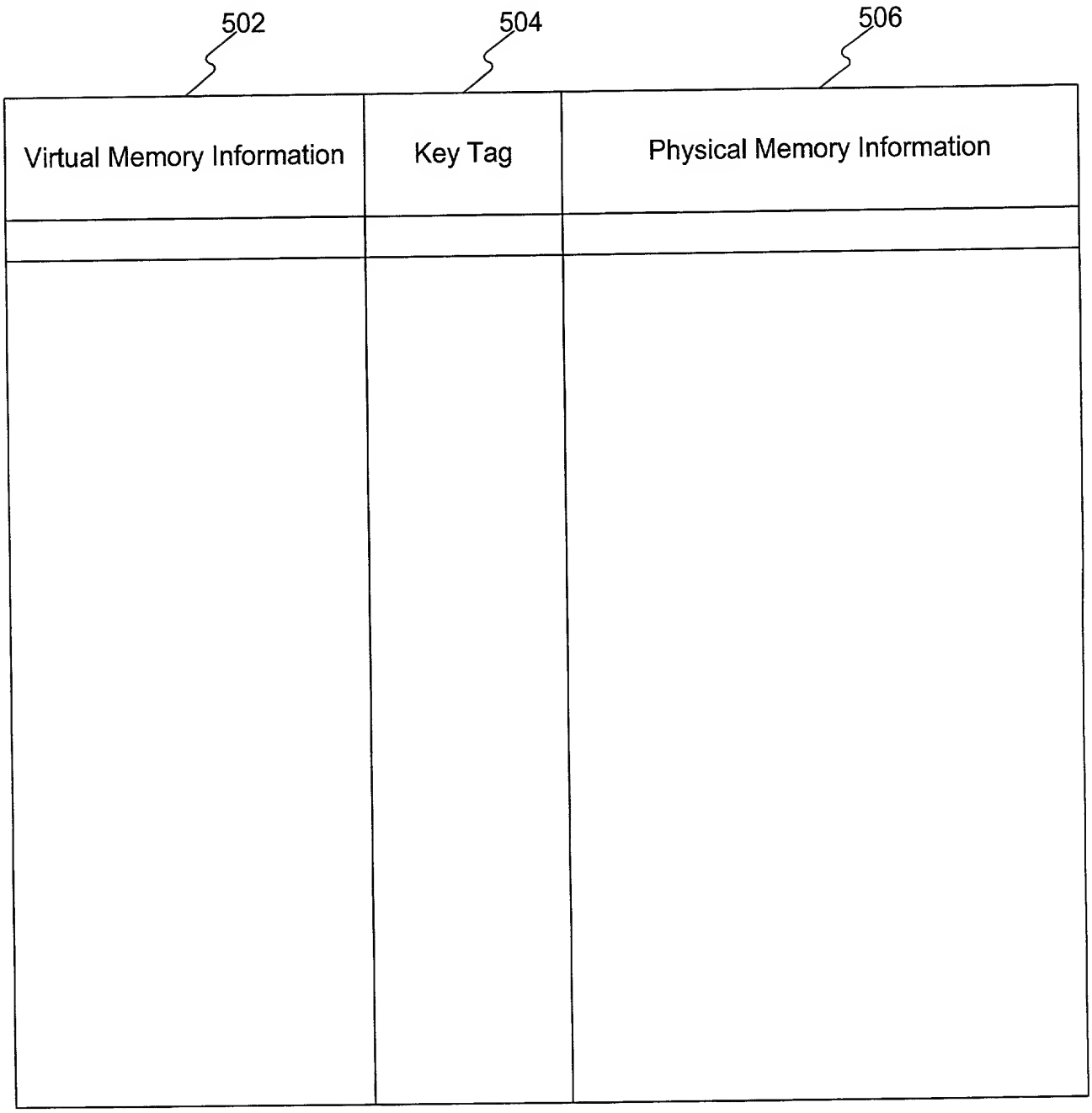

502
504
506
Virtual Memory Information
Key Tag
Physical Memory Information
222

FIG. 5

20040746.0071

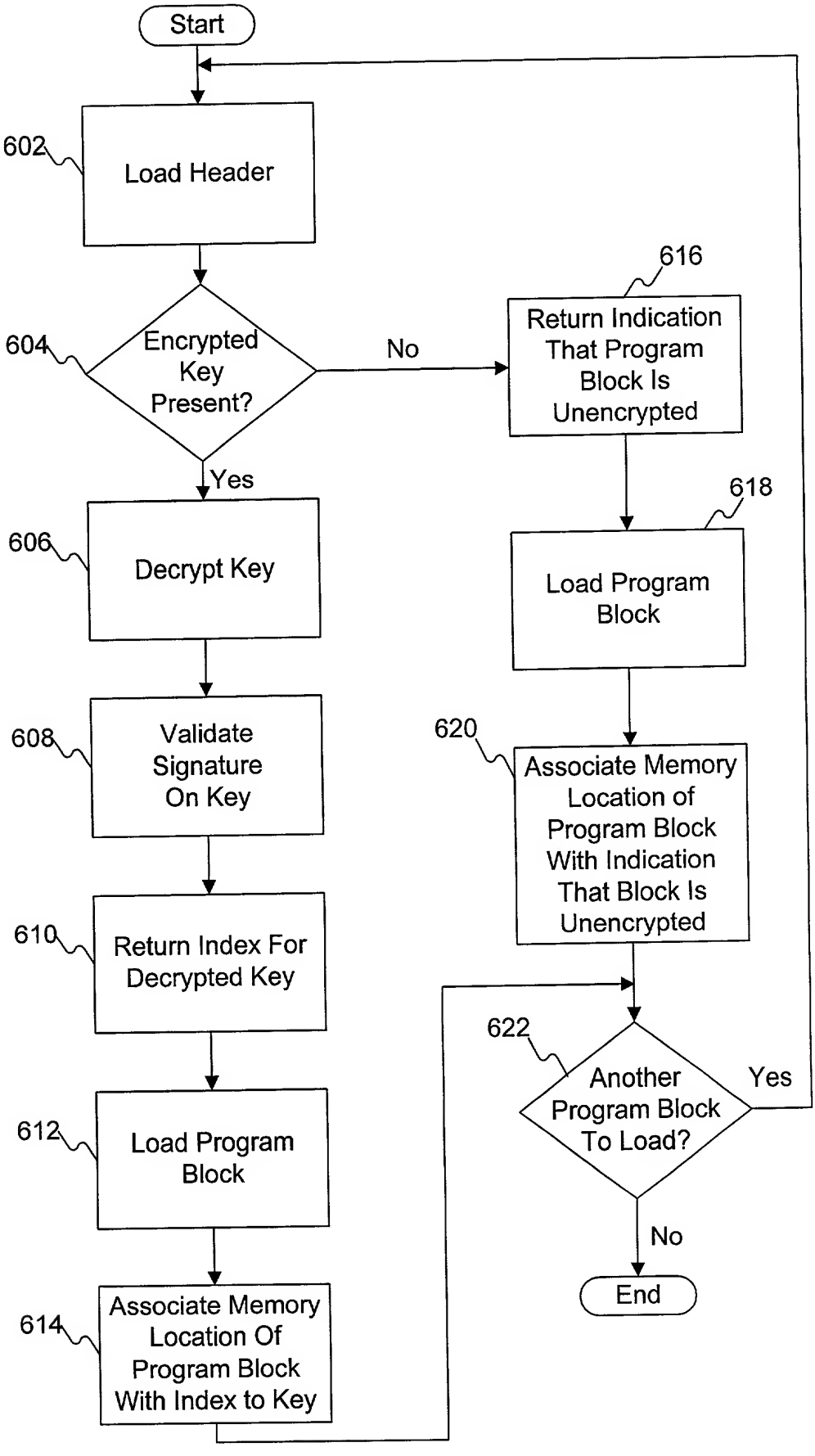


FIG. 6

20050172094 "08/25/2005 04:00:01 PM"

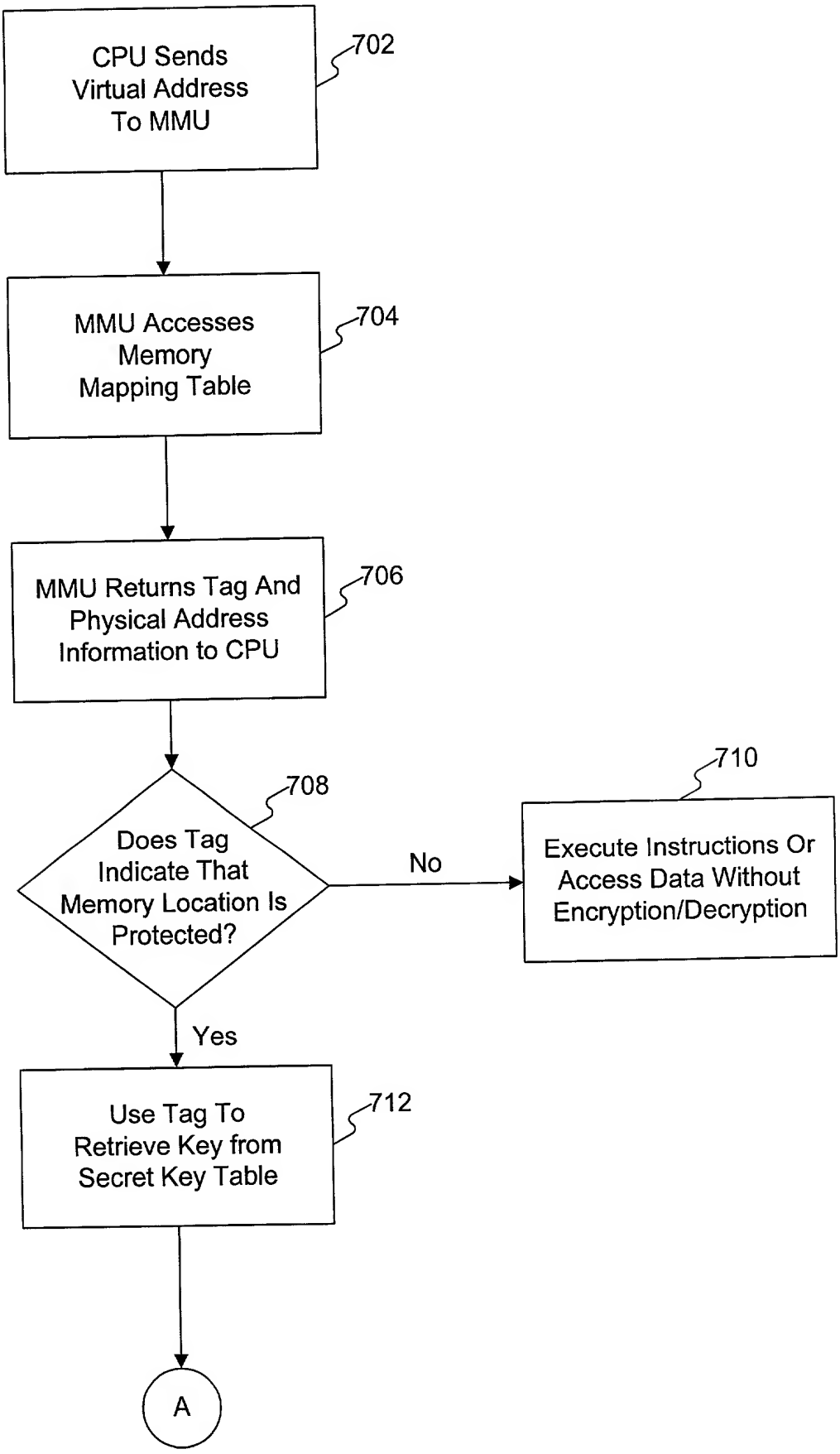


FIG. 7A

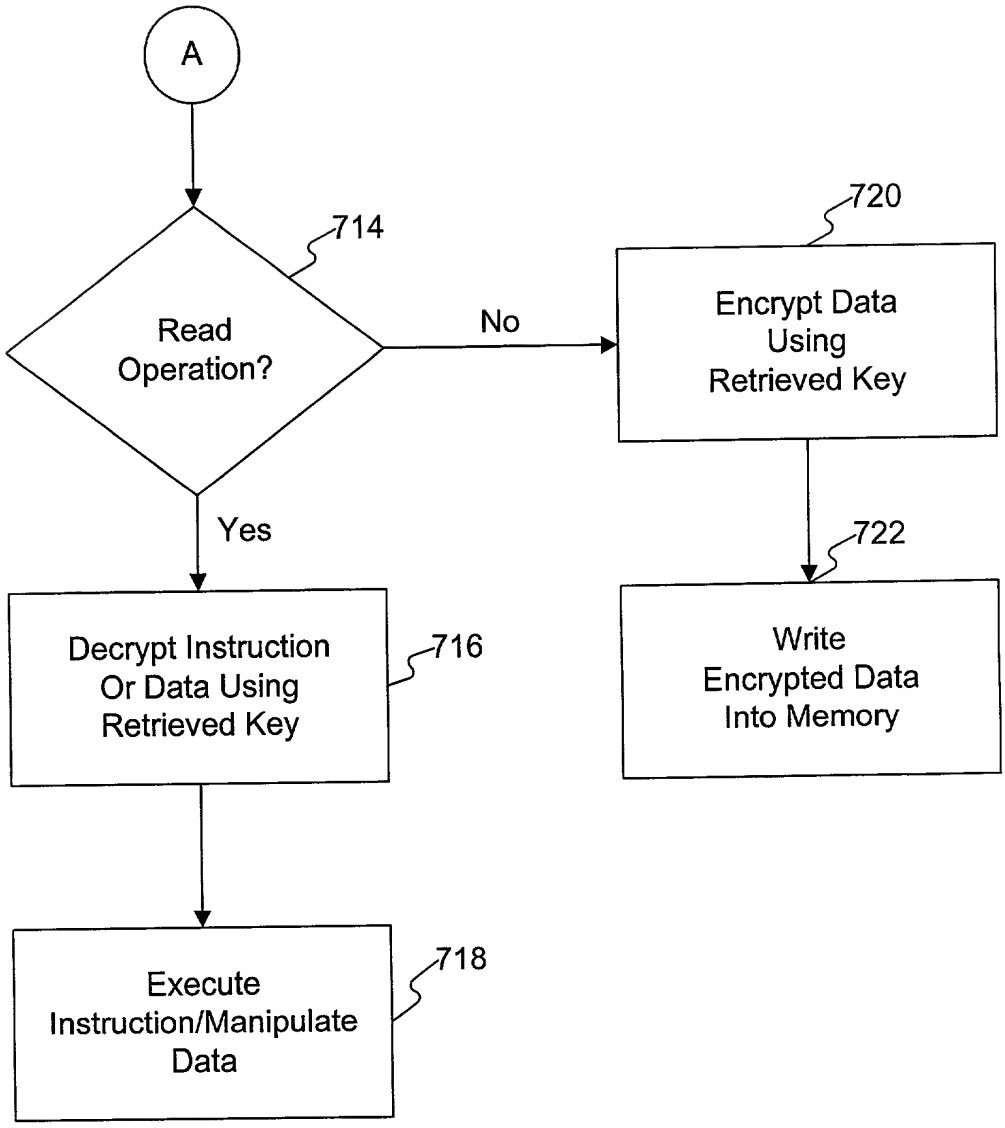

A
714
Read Operation?
No
720
Encrypt Data Using Retrieved Key
Yes
722
Write Encrypted Data Into Memory
Decrypt Instruction Or Data Using Retrieved Key
716
Execute Instruction/Manipulate Data
718

FIG. 7B

2097F0*86E9h00F

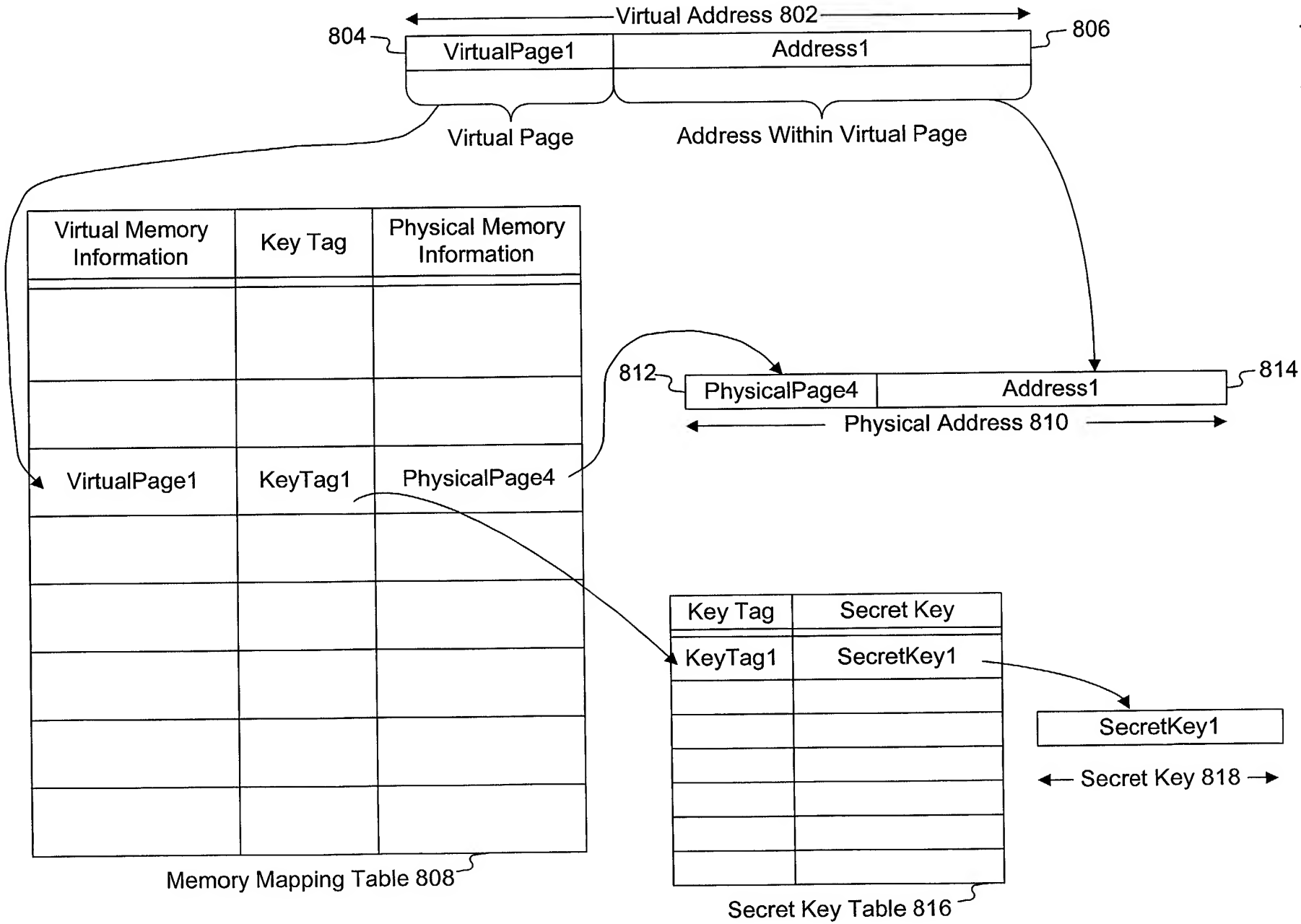


FIG. 8